1LN5

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SHARP-CUTOFF PENTODE

GENERAL DATA

Electrical:

Filament, Coated:

Voltage	1.4	dc volts
Current	0.05	amp

Direct Interelectrode Capacitances:°

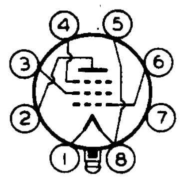
Grid No.1 to Plate	0.007 max.	μμf
Input	3.0	μμf
Output	8.0	μμf

° With external shield connected to negative filament terminal.

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-25/32"
Maximum Seated Length	2-1/4"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW	7AO

Pin 1 - Filament (+)
Pin 2 - Plate
Pin 3 - Grid No.2
Pin 4 - Grid No.3
Pin 5 - Filament (-)



Pin 6 - Grid No.1
Pin 7 - No Connection
Pin 8 - Filament (-)
Plug - Base Shell

AMPLIFIER - Class A_1

Maximum Ratings, ***Design-Center Values:***

PLATE VOLTAGE	110 max.	volts
GRID-No.2 (SCREEN) VOLTAGE	110 max.	volts

Typical Operation and Characteristics:

Plate Voltage	90	volts
Grid-No.3 (Suppressor)	Connected to cathode at socket	
Grid-No.2 Voltage	90	volts
Grid-No.1 (Control-Grid) Voltage	0	volts
Plate Resistance (Approx.)	1.1	megohms
Transconductance	800	μmhos
Grid-No.1 Bias (Approx.) for transconductance of 10 μmhos	-4.5	volts
Plate Current	1.6	ma
Grid-No.2 Current	0.35	ma